

CLAIMS

What is claimed is:

1. A hermetic compressor, comprising:
 - 5 a hermetic casing to house therein a drive unit to generate a drive power and a compression unit to suck and compress a gas refrigerant by use of the drive power output from the drive unit; and
 - a damping unit to elastically support the hermetic casing with predetermined elasticity, thus changing a resonant frequency of the hermetic casing.
- 10 2. The hermetic compressor according to claim 1, wherein the hermetic casing comprises upper and lower casing parts assembled into a single body, and the damping unit is provided at at least one of the upper and lower casing parts.
3. The hermetic compressor according to claim 1, wherein the damping unit comprises:
 - a mounting part at which the damping unit is mounted to the hermetic casing; and
 - 20 an elastic support part provided in a state of being elastically deformed to elastically support the hermetic casing.
4. The hermetic compressor according to claim 3, wherein the mounting part of the damping unit is mounted to the hermetic casing through a spot welding process.
- 25 5. The hermetic compressor according to claim 3, wherein the elastic support part comprises a flange part projected in a direction to a length which exceeds a plane aligned with a surface of the mounting part, the flange part thus elastically supporting the hermetic casing in the state of being elastically deformed.
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6. The hermetic compressor according to claim 5, wherein the elastic support part comprises a wing part to connect the flange part to the mounting part, the wing part being rounded in a direction opposite to a projected direction
5 of the flange part so as to allow the elastic support part to elastically support the hermetic casing with the predetermined elasticity.